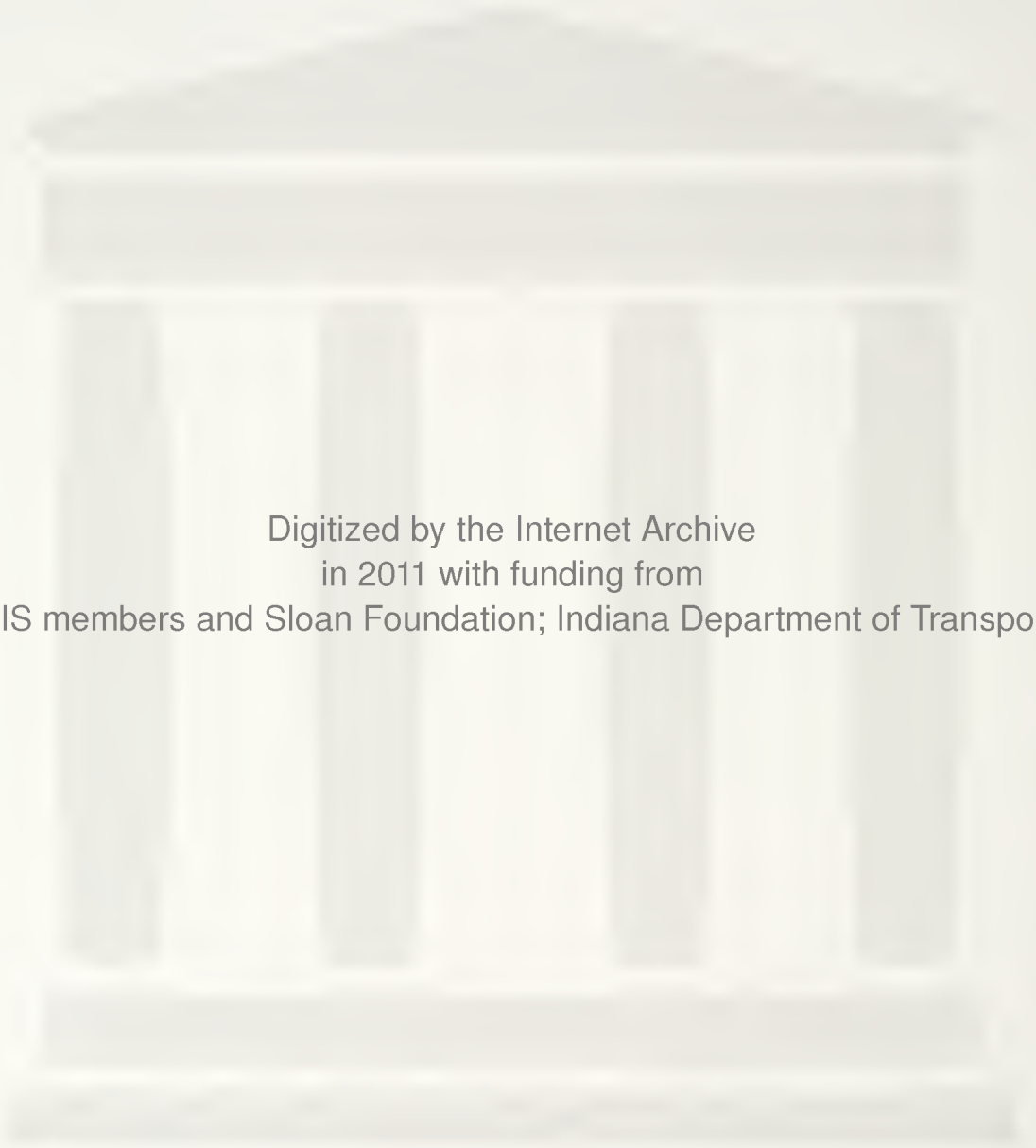

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TRAFFIC SPEED REPORT NO. 102

TO: J. F. McLaughlin, Director
Joint Highway Research Project

November 8, 1977

File: 8-3-3

FROM: H. L. Michael, Associate Director
Joint Highway Research Project

Project: C-36-10C

The attached Progress Report No. 102 on Traffic Speeds is the report of the July-September 1977 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed of passenger cars was similar while that of heavy trucks was 1.0 mph less than the respective average speeds for the preceding quarterly period.

This Report also serves as the annual study of traffic speeds which have been made during the summer months by JHRP for the last 30+ years. A comparison of the average speeds found in these annual studies for the past ten years is also included.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,

Harold L. Michael
Associate Director

HLM/ss

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Interim Report

TRAFFIC SPEED REPORT NO. 102

by

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and

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Joint Highway Research Project

Project No.: C-36-10C

File No.: 8-3-3

Prepared as Part of an Investigation

Conducted by

Joint Highway Research Project
Engineering Experiment Station
Purdue University

in cooperation with the

Indiana State Highway Commission

and the

U. S. Department of Transportation
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University
West Lafayette, Indiana
November 8, 1977

TECHNICAL REPORT STANDARD TITLE PAGE

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JHRP-77-18		

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J. R. Mekemson and G. K. Stafford	JHRP-77-18
9. Performing Organization Name and Address Joint Highway Research Project Civil Engineering Building Purdue University West Lafayette, Indiana 47907	10. Work Unit No.
	11. Contract or Grant No. HPR-1(15) Part I
12. Sponsoring Agency Name and Address Indiana State Highway Commission State Office Building 100 North Senate Avenue Indianapolis, Indiana 46204	13. Type of Report and Period Covered Interim Report July-September 1977
	14. Sponsoring Agency Code

15. Supplementary Notes
Conducted in cooperation with the U. S. Department of Transportation, Federal Highway Administration. Planning Study titled "Speed Trends for Indiana Highways".

16. Abstract

This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the July-September 1977 quarter.

Analysis of the speeds showed the overall average speed for all vehicles was 57.8 mph. The overall average speed for passenger cars and all trucks was 57.5 mph and 57.0 mph respectively. These overall average speeds were very similar for passenger cars and 1.2 mph slower for trucks to the speeds found in the April-June 1977 study (Speed Report No. 101).

This report is also the 1977 annual speed study of JHRP and is compared with similar studies made during the summer months for the last ten years. Little change from the summer of 1976 is evident for any type of vehicle on any class of highway. Speeds of passenger cars, however, are significantly less on all classes of highway than speeds during the pre-55 mph limit years. On the other hand, speeds of heavy trucks in 1977 are almost exactly the same as speeds of heavy trucks during the pre-55 mph limit years of 1968-1973.

17. Key Words	18. Distribution Statement
Speeds, Highway Speeds, Rural Highway Speeds, Speed Trends, 55 mph Speed Effect	No restrictions. This document is available to the public through the National Technical Information Service, Springfield, VA 22161

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Form DOT F 1700.7 (8-69)

TRAFFIC SPEED REPORT NO. 102

This report is an analysis of spot speed observations made during July and August 1977. All observations were of free-flowing vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observations were made during daylight except for three stations, one each on the three rural classifications.

The speed monitoring stations for each highway classification were divided into two groups. The first group is identified as "control stations" and studied from the same locations on selected Federal and State highways as used in previous studies. The "primary control stations" are used in each quarterly study. The "secondary control stations" are included only in the annual studies. The second group is selected at random for each quarterly study.

Twenty-eight speed monitoring stations were used for this reported study. Seven of these stations were the primary control stations and seven were secondary control stations noted above. The other fourteen stations were selected at random for this quarterly study.

Stations were classified as rural two-lane, four-lane, or interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations follow and are also shown in Figure A.

Rural Interstate Highways

*RI-21	(I-69)	First bridge south of junction with S.R. 18
*RI-6	(I-65)	7.5 miles north of junction with S.R. 160 at rest park
**RI-34	(I-65)	South of Lebanon: Northbound at Co. Rd. 300S, Southbound at first bridge south of S.R. 39
**RI-12	(I-74)	0.1 mile west of mile marker 109
RI-17	(I-70)	1.1 miles west of Wilbur Wright Road and New Lisbon Road, between mile post markers 129 and 130
RI-37	(I-74)	1.2 miles east of U.S. 41
RI-19	(I-69)	1.0 mile north of S.R. 13
RI-14	(I-70)	1.3 miles east of U.S. 231

Four-lane Highways

*4L-32	(U.S. 30)	Eastbound at 3.7 miles east of Co. Rd. 400E, Westbound at 1.2 miles west of Co. Rd. 400E
*4L-17	(U.S. 52)	Eastbound at 30 yds. east of Co. Rd. 475W, Westbound at 0.25 mile east of Co.Rd. 475W
**4L-21	(U.S. 31)	1.2 miles south of S.R. 38
**4L-20	(U.S. 41)	1.0 mile north of S.R. 2
4L-22	(U.S. 31)	2.6 miles south of S.R. 26
4L-15	(U.S. 40)	4.4 miles east of S.R. 1
4L-33	(S.R. 2)	5.9 miles east of U.S. 20
4L-13	(U.S. 31)	1.0 miles north of New Whiteland

Two-lane Highways

*2L-18	(U.S. 35)	1.5 miles east of Interstate 69
*2L-54	(U.S. 231)	1.0 mile south of junction with S.R. 234
**2L-91	(S.R. 43)	2 miles south of Chalmers
**2L-79	(S.R. 25)	0.7 mile south of Americus
2L-62	(S.R. 37)	1.4 miles north of S.R. 237
2L-41	(S.R. 135)	1.3 miles south of Stone's Crossing
2L-47	(U.S. 50)	150 feet west of East County Line, Lawrence and Jackson County.
2L-40	(S.R. 7)	2.1 miles north of Queensville

*Primary control stations

**Secondary control stations

Urban Interstate Highways

*UI-6	(I-65)	East of White River Bridge
**UI-1	(I-94)	First bridge east of Burr interchange
UI-7	(I-70)	0.85 mile east of I-465
UI-5	(I-465)	2.85 miles west of U.S. 31

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

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*Primary control stations

**Secondary control stations

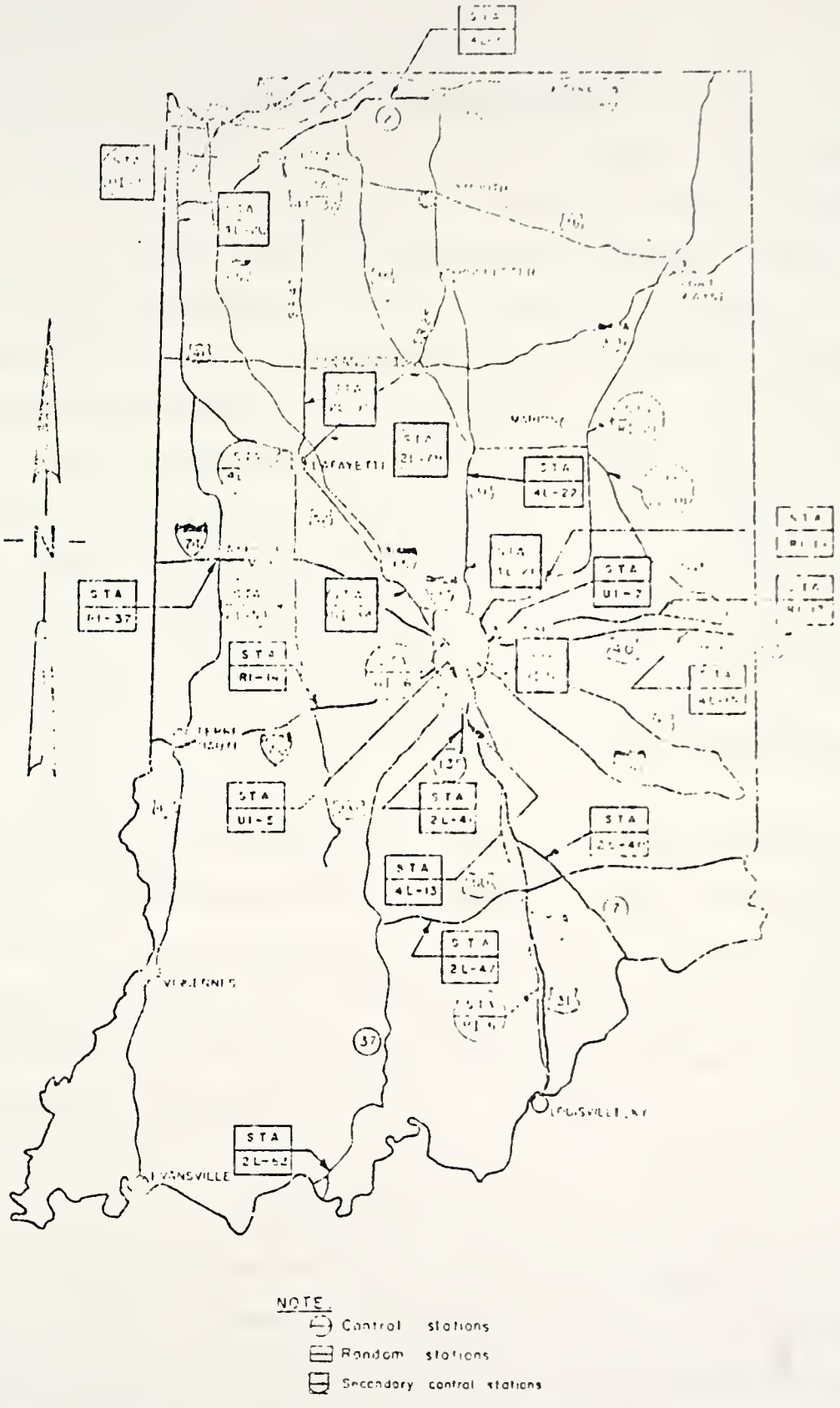

FIGURE A , LOCATIONS OF SPEED-STUDY STATIONS

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder. The van was equipped with one-way vision windows on the rear and side facing traffic so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a following 15 minute period. Such periods rarely occurred. There was rarely indication, in fact, that motorists were ever aware of the presence of a speed measuring station while it was in operation.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10°. No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 28 in Appendix. Tables 29, 30, 31 and 32 summarize the data for rural interstate, four lane, two lane and urban interstate highways, respectively. Table 33 is the summary for all highways. Tables 34 through 62 are summaries in an FHWA format which they require.

The average speed for each classification of vehicles on each type of highway for this study was as follows:

	Interstate		Other	
	Urban	Rural	Four Lane Rural	Two Lane Rural
Passenger Cars:				
Indiana	58.7	60.1	57.0	55.9
Non-Indiana	59.0	60.1	58.1	55.9
All Passenger Cars	58.8	60.1	57.2	55.9
85 Percentile (all)	62.7	64.5	62.0	60.9
Trucks:				
Less than 5000 lbs.	57.7	58.4	55.7	54.9
5000 lbs. or more	58.2	59.7	56.6	53.5
All Vehicles:				
Average	58.4	59.7	56.8	55.3
85 Percentile	62.5	64.1	61.8	60.5

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	Interstate		Other	
	Urban	Rural	Four Lane	Two Lane
Passenger Cars:				
Indiana	77.6	83.0	62.5	51.5
Non-Indiana	79.9	84.1	68.1	52.2
All Passenger Cars	78.2	83.1	63.3	51.5
Trucks:				
Less than 5000 lbs.	70.0	72.6	53.2	46.2
5000 lbs or more	73.5	82.7	61.8	40.4
All Vehicles:	75.5	81.9	61.8	48.7

The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	33.6	42.9	24.1	18.6
Non-Indiana	37.3	46.3	28.2	18.9
All Passenger Cars	34.6	44.4	24.7	18.6
Trucks:				
Less than 5000 lbs.	27.6	33.3	19.7	14.5
5000 lbs. or more	32.2	43.6	26.4	11.1
All Vehicles:	32.8	42.7	24.2	16.7

The percent of vehicles traveling more than 10 miles per hour above the speed limit (exceeding 65 mph) for each case was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	6.8	13.9	5.0	5.0
Non-Indiana	5.6	11.5	8.6	6.9
All Passenger Cars	6.5	12.9	5.5	5.1
Trucks:				
Less than 5000 lbs.	5.3	9.3	4.3	3.3
5000 lbs. or more	6.2	8.9	2.9	2.7
All Vehicles:	6.2	11.2	4.7	4.4

Summary and Conclusions

Overall average speed for all vehicles and passenger cars in this July-September 1977 study were found to be 57.5 and 57.8 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 0.6 and 0.3 mph below the results of the April-June 1977 study, and are 0.1 and 0.2 mph below the results of the July-September 1976 study.

Overall average speeds for all trucks and heavy trucks in this July-September 1977 study were found to be 57.0 and 57.4 mph, respectively. These overall average speeds for all trucks and heavy trucks are respectively 1.0 and 1.2 mph below the results of the April-June 1977 study, and differ by 0.0 and 0.3 mph, respectively, below the July-September 1976 study.

Table A presents a comparison of the overall speed results with that of the previous two studies. The table also shows that the 85th percentile speed of passenger cars decreased by 0.4 mph to 62.6 mph when compared to the April-June 1977 study and is 0.1 mph below the results of the July-September 1976 study.

A comparison of July-September 1977 speed data with that for other recent periods for several types of highway for passenger cars and trucks is shown in Tables B, C, D and E.

Tables B, C, D and E show in general that passenger car average speeds have either remained the same or decreased

when compared to the April-June 1977 study results. The tables also indicate that truck speeds have decreased from the previous study of April-June 1977.

Table F further compares speed results for the rural highways and vehicle types over the past ten years. Compared with August 1976 results, the average speed of passenger cars in August 1977 has decreased for the two-lane (0.7 mph) and four-lane (0.1 mph) highways and increased slightly for rural interstate highways (0.2 mph). Truck average speed, when compared with the August 1976 result, are also less for the two-lane (1.3 mph) and four-lane (0.2 mph) highways but slightly higher for rural interstate (0.9 mph).

Speeds were also measured at night at three (3) locations (Stations RI-17, 4L-32 and 2L-91) one on each of the rural highway classifications. The average speed at each of these three stations was very similar to the speeds on other stations of the same highway class where speed was measured during daylight hours.

TABLE A

COMPARISON OF THE OVERALL SPEED RESULTS

	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977
Average			
All Passenger Cars	57.8	58.1	57.8
Heavy Trucks	57.4	58.6	56.0
All Trucks	57.0	58.0	56.0
85 Percentile:			
All Passenger Cars	62.6	63.0	62.7
Heavy Trucks	62.5	63.3	61.5
All Trucks	62.3	63.0	61.4
15 Percentile:			
Heavy Trucks	51.1	52.9	49.7

TABLE B

AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (URBAN)

	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977	Oct.-Dec. 1976
Passenger Cars:				
Indiana	58.7	58.7	57.0	57.3
Non-Indiana	59.0	59.1	57.1	57.8
All Passenger Cars	58.8	58.8	57.0	57.3
85 Percentile (all)	62.7	62.9	61.5	61.2
Trucks:				
Less than 5000 lbs.	57.7	57.7	55.9	55.7
5000 lbs. or more	58.2	58.9	56.2	55.4

TABLE C

AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977	Oct.-Dec. 1976
Passenger Cars:				
Indiana	60.1	60.4	60.1	59.7
Non-Indiana	60.1	60.5	61.0	60.1
All Passenger Cars	60.1	60.5	60.5	59.9
85 Percentile (all)	64.5	64.8	64.7	64.5
Trucks:				
Less than 5000 lbs.	58.4	59.3	58.0	58.0
5000 lbs. or more	59.7	60.9	59.3	57.4

TABLE D

AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977	Oct.-Dec. 1976
Passenger Cars:				
Indiana	57.0	57.1	56.7	58.1
Non-Indiana	58.1	57.8	58.7	59.8
All Passenger Cars	57.2	57.2	57.0	58.3
85 Percentile (all)	62.0	61.9	61.7	63.7
Trucks:				
Less than 5000 lbs.	55.7	56.7	54.8	56.8
5000 lbs. or more	56.6	58.0	54.8	55.9

TABLE E

AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977	Oct.Dec. 1976
Passenger Cars:				
Indiana	55.9	56.3	56.5	56.4
Non-Indiana	55.9	57.3	58.3	56.3
All Passenger Cars	55.9	56.4	56.7	56.4
85 Percentile (all)	60.9	61.4	61.8	61.4
Trucks:				
Less than 5000 lbs.	54.9	55.6	55.8	54.9
5000 lbs. or more	53.5	55.1	53.5	54.4

TABLE F

SUMMARY OF SPOT SPEED OBSERVATION ON RURAL INDIANA HIGHWAYS

(Free-moving Vehicles on Level, Tangent Sections)

		Passenger Cars				Trucks		
		Ind. Mean	Non-Ind. Mean	All Mean	All 85%	Light Mean	Heavy Mean	All Mean
Two-Lane Highways								
June	'68	61.2	62.4	61.5	68.1	54.4	54.2	54.3
July	'69	64.7	64.6	64.7	71.9	60.5	55.9	57.9
July	'70	62.3	62.8	62.3	68.9	59.0	54.8	56.7
July	'71	61.4	60.9	61.3	68.0	58.0	54.0	55.6
June	'72	62.0	62.4	62.0	68.7	53.3	55.6	56.7
Aug.	'73	62.1	61.4	62.1	68.7	58.7	56.4	57.3
Aug.	'74	56.8	55.9	56.7	61.8	55.3	54.5	54.8
Aug.	'75	57.2	57.4	57.8	62.5	57.5	56.2	56.9
Aug.	'76	56.4	57.8	56.6	61.5	55.6	55.4	55.5
Aug.	'77	55.9	55.9	55.9	60.9	54.9	53.5	54.2
Four-Lane Highways								
June	'68	64.2	66.2	64.9	70.4	58.4	55.4	56.2
July	'69	67.7	68.3	67.9	74.6	64.0	58.0	59.6
July	'70	64.6	64.3	64.5	70.6	59.7	55.0	54.2
July	'71	64.3	65.4	64.7	70.7	59.8	56.4	57.4
June	'72	64.3	64.3	64.3	70.9	59.4	55.2	57.1
Aug.	'73	64.0	63.7	63.9	70.9	60.8	57.8	59.1
Aug.	'74	58.0	57.9	58.0	63.1	56.8	54.4	55.3
Aug.	'75	57.6	58.1	57.7	62.0	56.4	55.9	56.1
Aug.	'76	57.2	57.8	57.3	61.8	56.9	56.6	56.8
Aug.	'77	57.0	58.1	57.2	62.0	55.7	56.6	56.2
Interstate Highways (Rural)								
June	'68	66.2	67.9	66.8	72.4	60.5	57.9	58.5
July	'69	70.2	71.2	70.6	76.6	65.3	59.9	61.4
July	'70	69.1	69.2	69.2	74.6	63.8	59.6	60.5
July	'71	68.3	68.7	68.5	73.7	64.8	59.4	60.8
June	'72	69.1	69.6	69.3	74.4	63.7	60.9	61.8
Aug.	'73	69.3	70.1	69.6	74.8	64.1	61.6	62.3
Aug.	'74	58.3	59.3	58.7	62.6	56.7	56.4	56.5
Aug.	'75	59.7	60.2	59.9	64.2	58.2	59.3	58.9
Aug.	'76	59.5	60.2	59.8	64.3	58.5	58.4	58.4
Aug.	'77	60.1	60.1	60.1	64.5	58.4	59.7	59.3
All Rural Highways								
June	'68	63.8	66.6	64.5		57.2	56.2	56.5
July	'69	67.3	68.8	67.9		62.7	57.9	59.5
July	'70	65.1	66.3	65.5		60.3	56.4	57.5
July	'71	64.3	66.2	64.9		60.3	56.8	57.9
June	'72	64.8	66.9	65.2		60.1	57.6	58.6
Aug.	'73	64.7	67.1	65.2		60.9	58.8	59.6
Aug.	'74	57.6	58.4	57.8		56.2	55.1	55.6
Aug.	'75	58.5	59.5	58.7		57.5	57.4	57.4
Aug.	'76	57.5	59.1	58.0		56.9	57.1	57.0
Aug.	'77	57.2	59.1	57.6		56.1	57.2	56.8

TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 miles north of S.R. 160

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-10-77
TIME 12:19-1:00PM - SB
1:15-1:56 PM - NB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE 5-26-77
TIME 12:30-1:13 PM - SB
1:20-2:20 PM - NB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	246	252	134	140	112	112	184	187	57	71	127	116
AVE. SPEED (MPH)	60.74	59.89	60.65	59.41	60.86	60.49	60.06	59.74	59.75	58.00	60.20	60.81
STANDARD DEVIATION	5.400	4.731	5.210	4.449	5.640	5.017	4.680	5.304	5.460	6.104	4.300	4.449
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
44 MPH	-0	0	-0	0	-0	0	-0	.5	-0	1.4	-0	0
49 MPH	1.2	1.2	1.5	1.4	.9	.9	1.1	3.7	1.8	8.5	.8	.9
54 MPH	9.4	10.7	9.7	12.1	8.9	8.9	10.3	14.4	14.0	23.9	8.7	8.6
59 MPH	45.1	50.0	42.5	53.6	48.2	45.5	44.6	44.9	56.1	62.0	39.4	34.5
64 MPH	80.1	81.3	79.8	85.7	80.4	75.9	85.3	84.5	82.5	90.1	86.6	81.0
69 MPH	94.3	96.8	95.5	99.3	92.9	93.8	97.3	96.8	94.7	95.8	98.4	97.4
74 MPH	98.4	100.0	97.8	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	131	126	71	68	60	58	84	93	25	37	59	56
AVERAGE SPEED	59.37	59.37	59.30	58.71	59.47	60.14	58.58	59.80	57.44	58.32	59.07	60.77
DIRECTION												
NUMBER OF VEHICLES	115	126	63	72	52	54	100	94	32	34	68	60
AVERAGE SPEED	62.30	60.41	62.17	60.07	62.46	60.87	61.30	59.69	61.56	57.65	61.18	60.85

TABLE 2 SPEED DATA

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 miles south of S.R. 18

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Clear

THIS OBSERVATION
DATE 7-27-77
TIME 10:49-11:31 AM - NB
11:56 AM-12:46 PM - SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE 5-11-77
TIME 10:40-11:31 AM - NB
11:53 AM-12:56 PM - SB

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	263	248	178	173	85	75	174	189	48	64	126	125
AVE. SPEED (MPH)	60.16	60.61	59.96	61.25	60.58	59.15	59.67	59.14	58.64	58.09	60.06	59.67
STANDARD DEVIATION	4.760	6.050	4.560	6.384	5.170	4.931	5.350	5.054	6.090	5.261	5.020	4.880
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
PERCENT 44 MPH	-0	0	-0	0	-0	0	-0	.5	-0	1.6	-0	0
OF 49 MPH	.4	.8	.6	.6	-0	1.3	2.9	3.7	4.2	7.8	2.4	1.6
VEHICLES 54 MPH	8.0	11.7	9.0	10.4	5.9	14.7	15.5	18.0	25.0	21.9	11.9	16.0
TRAVELING 59 MPH	49.8	48.0	51.7	44.5	45.9	56.0	50.6	53.4	62.5	60.9	46.0	49.6
AT OR 64 MPH	85.9	81.9	86.0	78.6	85.9	89.3	83.9	85.2	89.6	89.1	81.8	83.2
LESS THAN 69 MPH	95.4	91.5	96.6	89.6	92.9	96.0	95.4	99.5	93.8	100.0	96.0	99.2
74 MPH	98.5	96.4	99.4	94.8	96.5	100.0	99.4	99.5	97.9	100.0	100.0	99.2
79 MPH	99.6	98.8	100.0	98.3	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	128	117	86	88	42	29	91	102	24	34	67	68
AVERAGE SPEED	60.26	61.57	60.33	61.93	60.12	60.48	60.75	60.42	59.17	59.71	61.31	60.78
DIRECTION												
NUMBER OF VEHICLES	135	131	92	85	43	46	83	87	24	30	59	57
AVERAGE SPEED	60.06	59.76	59.61	60.54	61.02	58.30	58.49	57.63	58.13	56.27	58.64	58.35

TABLE 3 SPEED DATA

STATION RI-34 HIGHWAY I-65 LOCATION 2.5 miles south of first bridge south of SR 39

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Clear

THIS OBSERVATION
DATE 7-28-77
TIME 10:28-11:00 AM
1:26-11:58 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 8-24-76
TIME 3:00-4:35 PM

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	269	266	173	173	96	93	159	171	50	55	109	116
AVE. SPEED (MPH)	60.77	60.90	60.37	60.82	61.48	61.06	60.65	59.01	61.18	56.91	60.41	60.00
STANDARD DEVIATION	4.353	5.125	4.267	5.473	4.437	4.428	4.812	4.957	3.842	5.075	5.195	4.597
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
44 MPH	-0	0	-0	0	-0	0	-0	1.2	-0	1.8	-0	.9
49 MPH	-0	.4	-0	.6	-0	0	1.3	3.5	-0	7.3	1.8	1.7
54 MPH	5.6	7.1	6.4	9.2	4.2	3.2	7.6	14.6	2.0	27.3	10.1	8.6
59 MPH	43.1	40.2	46.8	43.4	36.5	34.4	45.9	54.4	38.0	72.7	49.5	45.7
64 MPH	81.0	80.5	83.2	80.3	77.1	80.6	80.5	87.7	84.0	98.2	78.9	82.8
69 MPH	95.9	93.6	95.4	91.3	96.9	97.8	96.9	99.4	98.0	100.0	96.3	99.1
74 MPH	99.3	98.9	100.0	98.8	97.9	98.9	98.7	100.0	100.0	100.0	98.2	100.0
79 MPH	100.0	98.9	100.0	98.8	100.0	98.9	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	99.2	100.0	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	142	126	93	83	49	43	76	94	22	25	54	69
AVERAGE SPEED	61.82	60.87	61.33	61.01	62.73	60.60	61.78	59.82	62.45	58.04	61.50	60.46
DIRECTION												
NUMBER OF VEHICLES	127	140	80	90	47	50	83	77	28	30	55	47
AVERAGE SPEED	59.59	60.93	59.25	60.63	60.17	61.46	59.63	58.01	60.18	55.97	59.35	59.32

TABLE 4 SPEED DATA

STATION RI-12 HIGHWAY I-74 LOCATION 0.1 mile west of mile marker 109

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Partly Cloudy

THIS OBSERVATION
DATE 8-1-77
TIME 2:01-2:36 PM - EB
2:57-3:37 PM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 8-26-76
TIME 11:15 AM - 1:25 PM

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	273	274	158	167	115	107	158	170	42	68	116	102
AVE. SPEED (MPH)	59.33	60.23	58.72	59.78	60.17	60.92	58.78	59.09	58.55	60.22	58.87	58.33
STANDARD DEVIATION	4.986	4.795	4.988	5.179	4.882	4.052	4.536	4.983	5.047	5.197	4.357	4.710
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
PERCENT 44 MPH	-0	0	-0	0	-0	0	-0	.6	-0	0	-0	1.0
OF 49 MPH	1.8	1.5	1.9	2.4	1.7	0	3.8	3.5	7.1	2.9	2.6	3.9
VEHICLES 54 MPH	13.9	11.3	17.7	15.0	8.7	5.6	15.8	14.7	16.7	8.8	15.5	18.6
TRAVELING 59 MPH	54.6	46.0	60.8	51.5	46.1	37.4	52.5	52.9	61.9	48.5	49.1	55.9
AT OR 64 MPH	84.6	81.4	86.1	79.6	82.6	84.1	92.4	86.5	88.1	75.0	94.0	94.1
LESS THAN 69 MPH	96.3	96.4	96.2	95.2	96.5	98.1	100.0	97.6	100.0	95.6	100.0	99.0
74 MPH	99.3	99.3	99.4	99.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	134	144	82	77	52	67	82	79	20	34	62	45
AVERAGE SPEED	59.81	60.13	59.72	59.88	59.96	60.40	59.23	59.00	58.50	58.97	59.47	59.02
DIRECTION												
NUMBER OF VEHICLES	139	130	76	90	63	40	76	91	22	34	54	57
AVERAGE SPEED	58.87	60.34	57.64	59.70	60.35	61.77	58.30	59.16	58.59	61.47	58.19	57.79

TABLE 5 SPEED DATA

STATION RI-17 HIGHWAY I-70 LOCATION 1.1 miles west of Wilbur Wright Road and New Lisbon Rd. between mile post markers 129 & 130.

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Clear - Dark

THIS OBSERVATION
DATE 8-2-77
TIME 9:26-10:20 PM - WB
10:45-11:55 PM - EB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	155	0	155	0	0	0	292	0	25	0	267
AVE. SPEED (MPH)	0	59.45	0	59.45	0	0	0	59.75	0	58.00	0	59.91
STANDARD DEVIATION	0	5.304	0	5.304	0	0	0	4.703	0	6.178	0	4.521
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	.6	0	.6	0	0	0	.3	0	4.0	0	0
49 MPH	0	1.9	0	1.9	0	0	0	2.7	0	8.0	0	2.2
54 MPH	0	13.5	0	13.5	0	0	0	11.3	0	28.0	0	9.7
59 MPH	0	51.6	0	51.6	0	0	0	49.0	0	64.0	0	47.6
64 MPH	0	85.8	0	85.8	0	0	0	82.5	0	76.0	0	83.1
69 MPH	0	96.1	0	96.1	0	0	0	99.3	0	100.0	0	99.3
74 MPH	0	99.4	0	99.4	0	0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.4	0	99.4	0	0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	80	0	80	0	0	0	148	0	12	0	136
AVERAGE SPEED	0	59.97	0	59.97	0	0	0	61.15	0	59.83	0	61.26
DIRECTION												
NUMBER OF VEHICLES	0	75	0	75	0	0	0	144	0	13	0	131
AVERAGE SPEED	0	58.88	0	58.88	0	0	0	58.31	0	56.31	0	58.50

TABLE 6 SPEED DATA

STATION RI-37 HIGHWAY I-74 LOCATION 1.2 miles east of U.S. 41

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Cloudy

THIS OBSERVATION
DATE 8-16-77 (EB) 8-17-77 (WB)
TIME 10:01-10:56 AM - EB
1:01 - 1:59 PM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.	>5000 LBS.
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	PRES-ENT	PRES-ENT
NUMBER OF VEHICLES	0	263	0	58	0	205	0	168	56	112
AVE. SPEED (MPH)	0	59.00	0	58.97	0	59.01	0	58.65	57.29	59.33
STANDARD DEVIATION	0	4.830	0	4.345	0	4.969	0	5.375	5.446	5.231
24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	0	0	0	0	0	0	2.4	3.6	1.8
OF 49 MPH	0	1.5	0	0	0	2.0	0	6.0	7.1	5.4
VEHICLES 54 MPH	0	17.9	0	12.1	0	19.5	0	17.3	25.0	13.4
TRAVELING 59 MPH	0	57.4	0	62.1	0	56.1	0	54.8	66.1	49.1
AT OR 64 MPH	0	89.0	0	91.4	0	88.3	0	86.3	92.9	83.0
LESS THAN 69 MPH	0	98.5	0	98.3	0	98.5	0	99.4	100.0	99.1
74 MPH	0	99.2	0	100.0	0	99.0	0	100.0	100.0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
DIRECTION										
NUMBER OF VEHICLES	0	136	0	31	0	105	0	78	25	53
AVERAGE SPEED	0	57.82	0	58.13	0	57.72	0	57.60	57.36	57.72
DIRECTION										
NUMBER OF VEHICLES	0	127	0	27	0	100	0	90	31	59
AVERAGE SPEED	0	60.27	0	59.93	0	60.36	0	59.56	57.23	60.78

TABLE 7 SPEED DATA

STATION RI-19 HIGHWAY I-69 LOCATION 1.0 mile north of SR 13

NO. OF LANES 2 TYPE OF SURFACE Concrete WEATHER Clear

THIS OBSERVATION
DATE 8-2-77
TIME 1:45-2:20 PM - NB
2:49-3:22 PM - SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	269	0	196	0	73	0	165	0	39	0	126
AVE. SPEED (MPH)	0	60.14	0	60.06	0	60.36	0	58.55	0	59.00	0	58.41
STANDARD DEVIATION	0	5.056	0	5.121	0	4.903	0	5.154	0	6.316	0	4.759
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	0	0	0	0	0	0	1.2	0	2.6	0	.8
OF 49 MPH	0	1.1	0	1.0	0	1.4	0	5.5	0	7.7	0	4.8
VEHICLES 54 MPH	0	11.9	0	12.2	0	11.0	0	19.4	0	23.1	0	18.3
TRAVELING 59 MPH	0	47.2	0	50.5	0	38.4	0	52.7	0	48.7	0	54.0
AT OR 64 MPH	0	82.9	0	82.7	0	83.6	0	93.3	0	89.7	0	94.4
LESS THAN 69 MPH	0	95.9	0	95.9	0	95.9	0	98.8	0	97.4	0	99.2
74 MPH	0	98.9	0	98.5	0	100.0	0	98.8	0	97.4	0	99.2
79 MPH	0	100.0	0	100.0	0	100.0	0	99.4	0	97.4	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	133	0	95	0	38	0	85	0	21	0	64
AVERAGE SPEED	0	60.46	0	60.29	0	60.87	0	58.92	0	60.38	0	58.44
DIRECTION												
NUMBER OF VEHICLES	0	136	0	101	0	35	0	80	0	18	0	62
AVERAGE SPEED	0	59.82	0	59.83	0	59.80	0	58.16	0	57.39	0	58.39

TABLE 8 SPEED DATA

STATION RI-14 HIGHWAY I-70 LOCATION 1.3 miles east of US 231

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-5-77
TIME 11:19-11:48 AM - EB
14:14-12:46 PM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	241	0	68	0	173	0	200	0	64	0	136
AVE. SPEED (MPH)	0	60.42	0	60.41	0	60.43	0	59.87	0	59.11	0	60.24
STANDARD DEVIATION	0	4.635	0	4.851	0	4.562	0	4.648	0	5.755	0	3.999
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	.5	0	1.6	0	0
49 MPH	0	.8	0	0	0	1.2	0	2.5	0	6.3	0	.7
54 MPH	0	8.3	0	7.4	0	8.7	0	11.5	0	23.4	0	5.9
59 MPH	0	44.4	0	48.5	0	42.8	0	48.0	0	53.1	0	45.6
64 MPH	0	82.6	0	85.3	0	81.5	0	86.0	0	85.9	0	86.0
69 MPH	0	95.9	0	91.2	0	97.7	0	98.5	0	96.9	0	99.3
74 MPH	0	99.2	0	98.5	0	99.4	0	99.5	0	98.4	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	116	0	30	0	86	0	102	0	37	0	65
AVERAGE SPEED	0	61.35	0	60.67	0	61.59	0	61.40	0	60.65	0	61.83
DIRECTION												
NUMBER OF VEHICLES	0	125	0	38	0	87	0	98	0	27	0	71
AVERAGE SPEED	0	59.56	0	60.21	0	59.28	0	58.29	0	57.00	0	58.77

TABLE 9 SPEED DATA

STATION 4L-17 HIGHWAY U.S. 52 LOCATION 150 feet east of County Road 475 West

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 7-18-77
TIME 9:34-11:16 AM - WB
12:33-2:00 PM - EB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE 5-9-77
TIME 9:36-11:15 AM - WB
11:20 AM - 1:04 PM - EB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	278	282	246	245	32	37	151	146	89	79	62	67
AVE. SPEED (MPH)	56.75	57.10	56.59	57.05	57.97	57.38	56.12	55.05	56.30	55.78	55.85	54.18
STANDARD DEVIATION	5.900	5.975	6.000	6.180	5.000	4.437	7.250	5.979	7.040	5.755	7.580	6.162
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	.4	0	.4	0	-0	0	-0	0	-0	0	-0	0
34 MPH	.4	0	.4	0	-0	0	1.3	0	-0	0	3.2	0
39 MPH	.7	0	.8	0	-0	0	1.3	.7	-0	0	3.2	1.5
PERCENT 44 MPH	4.0	2.5	4.5	2.9	-0	0	6.0	6.2	3.4	1.3	9.7	11.9
OF 49 MPH	8.3	7.4	8.5	8.6	6.3	0	13.9	17.1	10.1	12.7	19.4	22.4
VEHICLES 54 MPH	28.8	29.1	30.9	29.8	12.5	24.3	35.1	42.5	40.5	40.5	27.4	44.8
TRAVELING 59 MPH	71.9	69.5	72.4	69.0	68.8	73.0	74.2	78.8	78.7	74.7	67.7	83.6
AT OR 64 MPH	91.0	92.2	91.9	92.2	84.4	91.9	92.7	94.5	94.4	92.4	90.3	97.0
LESS THAN 69 MPH	98.2	97.9	98.0	97.6	100.0	100.0	98.7	99.3	97.8	98.7	100.0	100.0
74 MPH	99.6	98.9	99.6	98.8	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
79 MPH	100.0	99.3	100.0	99.2	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
84 MPH	100.0	99.3	100.0	99.2	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	98.9	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	146	147	131	133	15	14	69	67	43	37	26	30
AVERAGE SPEED	56.16	57.87	55.93	57.78	58.13	58.71	54.46	56.84	54.56	57.30	54.31	56.27
DIRECTION												
NUMBER OF VEHICLES	132	135	115	112	17	23	82	79	46	42	36	37
AVERAGE SPEED	57.40	56.25	57.34	56.19	57.82	56.57	57.51	53.53	57.93	54.45	56.97	52.49

TABLE 10 SPEED DATA

STATION 4L-32 HIGHWAY U.S. 30 LOCATION 2.9 miles west of Wanatah city limit sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Cloudy - Dark

THIS OBSERVATION
DATE 7-20-77
TIME 9:05 - 10:17 PM - EB
10:31 PM-12:04 AM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE 5-19-77
TIME 10:50-11:54 AM - WB
12:22 - 1:28 PM - EB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	180	209	131	209	49	0	248	219	47	14	201	205
AVE. SPEED (MPH)	57.47	57.17	57.44	57.17	57.53	0	58.53	58.83	57.30	52.14	58.82	59.29
STANDARD DEVIATION	4.790	4.967	4.510	4.967	5.540	0	4.530	4.424	4.130	6.419	4.580	3.874
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
PERCENT 44 MPH	.6	0	.8	0	-0	0	.4	0	-0	0	.5	0
OF 49 MPH	2.8	4.3	.8	4.3	8.2	0	2.8	3.7	4.3	42.9	2.5	1.0
VEHICLES 54 MPH	27.8	28.7	27.5	28.7	28.6	0	16.9	14.6	23.4	64.3	15.4	11.2
TRAVELING 59 MPH	69.4	72.2	71.8	72.2	63.3	0	55.2	50.2	68.1	85.7	52.2	47.8
AT OR 64 MPH	92.2	92.8	92.4	92.8	91.8	0	91.9	94.5	97.9	92.9	90.6	94.6
LESS THAN 69 MPH	97.8	98.6	98.5	98.6	95.9	0	100.0	99.1	100.0	100.0	100.0	99.0
74 MPH	100.0	99.5	100.0	99.5	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	94	113	68	113	26	0	121	100	24	8	97	92
AVERAGE SPEED	57.64	57.18	57.68	57.18	57.54	0	59.26	58.93	56.79	52.63	59.87	59.48
DIRECTION												
NUMBER OF VEHICLES	86	96	63	96	23	0	127	119	23	6	104	113
AVERAGE SPEED	57.28	57.16	57.19	57.16	57.52	0	57.84	58.75	57.83	51.50	57.85	59.13

TABLE 11 SPEED DATA

STATION 4L-21 HIGHWAY U.S. 31 LOCATION 1.1 miles south of S.R. 38

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Clear

THIS OBSERVATION
DATE 7-26-77
TIME 10:15-10:53 AM - SB
11:08-11:56 AM - NB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 8-24-76
TIME 11:05-1:20 PM

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	290	299	290	255	-0	44	140	136	67	63	73	73
AVE. SPEED (MPH)	58.03	58.59	58.03	58.25	-0	60.55	56.79	56.46	57.00	56.38	56.60	56.52
STANDARD DEVIATION	4.377	5.207	4.377	5.040	-0	5.765	5.457	5.427	5.120	5.383	5.778	5.500
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	.3	-0	.4	-0	0	.7	.7	-0	0	1.4	1.4
44 MPH	-0	1.3	-0	1.6	-0	0	2.9	2.2	1.5	3.2	4.1	1.4
49 MPH	3.1	4.3	3.1	4.3	-0	4.5	7.1	10.3	6.0	12.7	8.2	8.2
54 MPH	20.0	17.7	20.0	19.2	-0	9.1	27.9	35.3	25.4	39.7	30.1	31.5
59 MPH	67.2	57.2	67.2	58.4	-0	50.0	69.3	73.5	73.1	69.8	65.8	76.7
64 MPH	91.4	92.3	91.4	93.3	-0	72.7	92.9	92.6	91.0	93.7	94.5	91.8
69 MPH	99.3	97.7	99.3	98.4	-0	93.2	99.3	99.3	100.0	100.0	98.6	98.6
74 MPH	100.0	99.7	100.0	99.6	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	138	138	138	119	-0	19	72	80	34	35	38	45
AVERAGE SPEED	58.50	58.13	58.50	58.03	-0	58.74	57.69	56.09	57.50	56.11	57.87	56.07
DIRECTION												
NUMBER OF VEHICLES	152	161	152	136	-0	25	68	56	33	28	35	28
AVERAGE SPEED	57.61	58.98	57.61	58.44	-0	61.92	55.84	56.98	56.48	56.71	55.23	57.25

TABLE 12 SPEED DATA

STATION 4L-20 HIGHWAY U.S. 41 LOCATION 1.1 miles north of S.R. 2

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Clear

THIS OBSERVATION
DATE 7-19-77
TIME 10:19-11:33 AM - NB
12:12 PM - 1:25 PM - SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 7-14-76
TIME 10:15 AM - 2:03 PM

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	266	242	188	163	78	79	174	186	55	81	119	105
AVE. SPEED (MPH)	56.73	58.40	56.28	58.50	57.82	58.19	53.54	56.36	55.91	56.67	52.45	56.12
STANDARD DEVIATION	6.239	5.699	6.319	6.021	5.939	4.998	6.339	6.042	6.603	4.798	5.927	6.862
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	.6	.5	-0	0	.8	1.0
39 MPH	1.5	0	1.1	0	2.6	0	2.3	1.6	-0	0	3.4	2.9
PERCENT 44 MPH	3.4	.4	3.7	.6	2.6	0	6.9	3.8	7.3	0	6.7	6.7
OF 49 MPH	9.8	3.7	11.7	3.7	5.1	3.8	23.6	10.8	14.6	4.9	27.7	15.2
VEHICLES 54 MPH	35.0	22.7	38.3	24.5	26.9	19.0	55.2	35.5	41.8	29.6	61.3	40.0
TRAVELING 59 MPH	69.2	62.0	70.7	63.2	65.4	59.5	82.2	68.3	69.1	75.3	88.2	62.9
AT OR 64 MPH	90.6	86.8	91.0	85.3	89.7	89.9	96.0	94.1	89.1	93.8	99.2	94.3
LESS THAN 69 MPH	97.4	95.0	98.4	93.9	94.9	97.5	100.0	99.5	100.0	98.8	100.0	100.0
74 MPH	100.0	99.6	100.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	138	118	100	80	38	38	92	98	32	46	60	52
AVERAGE SPEED	57.23	58.15	56.74	57.71	58.53	59.08	52.63	54.74	55.19	56.28	51.27	53.38
DIRECTION												
NUMBER OF VEHICLES	128	124	88	83	40	41	82	88	23	35	59	53
AVERAGE SPEED	56.19	58.64	55.75	59.27	57.15	57.37	54.56	58.16	56.91	57.17	53.64	58.81

TABLE 13 SPEED DATA

STATION 4L-22 HIGHWAY U.S. 31 LOCATION 2.6 miles south of S.R. 26

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Partly Cloudy

THIS OBSERVATION
DATE 7-25-77
TIME 10:26 - 11:05 AM - SB
11:28 AM - 12:05 PM - NB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.	>5000 LBS.
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	PRESENT	PRESENT
NUMBER OF VEHICLES	0	275	0	227	0	48	0	150	71	79
AVE. SPEED (MPH)	0	58.41	0	58.50	0	57.96	0	57.28	56.99	57.54
STANDARD DEVIATION	0	4.978	0	4.887	0	5.422	0	4.324	4.664	4.006
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0
44 MPH	0	.7	0	.9	0	0	0	.7	1.4	0
49 MPH	0	3.3	0	3.1	0	4.2	0	2.7	5.6	0
54 MPH	0	19.3	0	17.2	0	29.2	0	26.7	29.6	24.1
59 MPH	0	63.3	0	61.7	0	70.8	0	69.3	70.4	68.4
64 MPH	0	88.7	0	89.0	0	87.5	0	96.7	95.8	97.5
69 MPH	0	97.8	0	97.8	0	97.9	0	100.0	100.0	100.0
74 MPH	0	99.6	0	100.0	0	97.9	0	100.0	100.0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
DIRECTION										
NUMBER OF VEHICLES	0	140	0	117	0	23	0	73	33	40
AVERAGE SPEED	0	58.53	0	58.66	0	57.87	0	56.47	55.70	57.10
DIRECTION										
NUMBER OF VEHICLES	0	135	0	110	0	25	0	77	38	39
AVERAGE SPEED	0	58.28	0	58.34	0	58.04	0	58.05	58.11	58.00

TABLE 14 SPEED DATA

STATION 4L-15 HIGHWAY U.S. 40 LOCATION 4.4 miles east of S.R. 1

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 8-3-77
TIME 10:43 - 11:52 AM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.	>5000 LBS.
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	PRES-ENT	PRES-ENT
NUMBER OF VEHICLES	0	261	0	237	0	24	0	172	101	71
AVE. SPEED (MPH)	0	54.29	0	54.23	0	54.83	0	53.16	52.87	53.56
STANDARD DEVIATION	0	5.788	0	5.739	0	6.357	0	7.014	7.400	6.456
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.4	0	.4	0	0	0	.6	1.0	0
39 MPH	0	.4	0	.4	0	0	0	3.5	3.0	4.2
44 MPH	0	5.4	0	5.1	0	8.3	0	12.2	13.9	9.9
49 MPH	0	20.7	0	21.1	0	16.7	0	25.6	29.7	19.7
54 MPH	0	50.6	0	51.5	0	41.7	0	55.8	56.4	54.9
59 MPH	0	82.8	0	82.7	0	83.3	0	83.1	82.2	84.5
64 MPH	0	96.6	0	96.6	0	95.8	0	94.8	94.1	95.8
69 MPH	0	99.6	0	100.0	0	95.8	0	100.0	100.0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
DIRECTION										
NUMBER OF VEHICLES	0	141	0	132	0	9	0	77	49	28
AVERAGE SPEED	0	53.63	0	53.72	0	52.33	0	51.31	50.53	52.68
DIRECTION										
NUMBER OF VEHICLES	0	120	0	105	0	15	0	95	52	43
AVERAGE SPEED	0	55.06	0	54.88	0	56.33	0	54.65	55.08	54.14

TABLE 15 SPEED DATA

STATION 4L-33 HIGHWAY S.R. 2 LOCATION 5.9 miles east of U.S. 20

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Hazy

THIS OBSERVATION
DATE 7-21-77
TIME 10:49 AM - 12:02 PM - EB
12:15 - 1:17 PM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.	>5000 LBS.
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	PRES-ENT	PRES-ENT
NUMBER OF VEHICLES	0	273	0	220	0	53	0	164	81	83
AVE. SPEED (MPH)	0	57.05	0	56.71	0	58.47	0	56.80	56.98	56.63
STANDARD DEVIATION	0	5.129	0	5.003	0	5.448	0	5.185	5.429	4.963
24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.5	0	0	0	0	0	0
PERCENT 44 MPH	0	.7	0	.9	0	0	0	1.2	2.5	0
OF 49 MPH	0	5.9	0	6.8	0	1.9	0	7.9	7.4	8.4
VEHICLES 54 MPH	0	27.5	0	29.5	0	18.9	0	31.1	29.6	32.5
TRAVELING 59 MPH	0	70.7	0	73.2	0	60.4	0	71.3	71.6	71.1
AT OR 64 MPH	0	94.1	0	95.5	0	88.7	0	95.1	95.1	95.2
LESS THAN 69 MPH	0	98.9	0	99.1	0	98.1	0	99.4	98.8	100.0
74 MPH	0	99.6	0	100.0	0	98.1	0	99.4	98.8	100.0
79 MPH	0	99.6	0	100.0	0	98.1	0	100.0	100.0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
DIRECTION										
NUMBER OF VEHICLES	0	139	0	111	0	28	0	83	35	48
AVERAGE SPEED	0	57.68	0	57.45	0	58.61	0	57.25	57.77	56.88
DIRECTION										
NUMBER OF VEHICLES	0	134	0	109	0	25	0	81	46	35
AVERAGE SPEED	0	56.40	0	55.96	0	58.32	0	56.33	56.37	56.29

TABLE 16 SPEED DATA

STATION 4L-13 HIGHWAY U.S. 31 LOCATION 1.0 mile north of New Whiteland

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION
DATE 8-9-77
TIME 11:11 - 11:55 AM - SB
12:14 - 12:53 PM - NB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE ____
TIME ____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	312	0	296	0	16	0	139	0	87	0	52
AVE. SPEED (MPH)	0	56.42	0	56.41	0	56.75	0	54.55	0	55.82	0	52.42
STANDARD DEVIATION	0	5.537	0	5.578	0	4.865	0	6.643	0	6.643	0	6.137
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	1.4	0	0	0	3.8
44 MPH	0	2.2	0	2.4	0	0	0	6.5	0	3.4	0	11.5
49 MPH	0	9.6	0	10.1	0	0	0	19.4	0	16.1	0	25.0
54 MPH	0	37.5	0	36.8	0	50.0	0	51.8	0	46.0	0	61.5
59 MPH	0	71.8	0	72.0	0	68.8	0	82.0	0	78.2	0	88.5
64 MPH	0	91.3	0	91.2	0	93.8	0	95.7	0	93.1	0	100.0
69 MPH	0	99.4	0	99.3	0	100.0	0	97.1	0	95.4	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	99.3	0	98.9	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	99.3	0	98.9	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	160	0	149	0	11	0	63	0	39	0	24
AVERAGE SPEED	0	57.20	0	57.21	0	57.09	0	54.22	0	55.85	0	51.58
DIRECTION												
NUMBER OF VEHICLES	0	152	0	147	0	5	0	76	0	48	0	28
AVERAGE SPEED	0	55.61	0	55.59	0	56.00	0	54.82	0	55.79	0	53.14

TABLE 17 SPEED DATA

STATION 21-18 HIGHWAY U.S. 35 LOCATION 2.5 miles east of I-69

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Clear

THIS OBSERVATION
DATE 7-27-77
TIME 1:56-3:45 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE 5-11-77
TIME 2:08-3:56 PM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	283	282	257	257	26	25	146	145	79	75	67	70
AVE. SPEED (MPH)	57.56	56.39	57.50	56.30	58.12	57.36	55.28	54.06	56.14	55.85	54.27	52.13
STANDARD DEVIATION	6.080	5.310	6.110	5.325	5.810	5.155	6.360	6.009	6.410	5.447	6.200	6.022
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
PERCENT 44 MPH	2.1	1.4	2.3	1.6	-0	0	.7	2.8	-0	0	1.5	5.7
OF 49 MPH	7.1	9.2	7.4	9.7	3.8	4.0	15.8	20.7	12.7	12.0	19.4	30.0
VEHICLES 54 MPH	27.9	37.2	27.6	38.1	30.8	28.0	43.2	46.9	38.0	38.7	49.3	55.7
TRAVELING 59 MPH	67.1	73.0	67.7	73.5	61.5	68.0	73.3	84.8	70.9	76.0	76.1	94.3
AT OR 64 MPH	88.0	92.2	88.3	92.2	84.6	92.0	93.2	97.9	89.9	96.0	97.0	100.0
LESS THAN 69 MPH	96.5	98.9	96.1	98.8	100.0	100.0	99.3	100.0	98.7	100.0	100.0	100.0
74 MPH	99.3	100.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	129	133	120	124	9	9	84	79	44	39	40	40
AVERAGE SPEED	58.37	56.77	58.33	56.86	58.89	55.56	56.23	53.51	57.66	55.85	54.65	51.22
DIRECTION												
NUMBER OF VEHICLES	154	149	137	133	17	16	62	66	35	36	27	30
AVERAGE SPEED	56.88	56.05	56.77	55.77	57.71	58.38	54.00	54.71	54.23	55.86	53.70	53.33

TABLE 18 SPEED DATA

STATION 2L-54 HIGHWAY U.S. 231 LOCATION 1.1 miles south of S.R. 234

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Hazy - Clear

THIS OBSERVATION
DATE 7-29-77
TIME 10:14 AM - 12:42 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE 5-10-77
TIME 10:18 AM - 1:01 PM

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	241	258	216	229	25	29	196	174	86	82	110	92
AVE. SPEED (MPH)	55.68	56.94	55.60	57.09	56.32	55.76	55.77	56.95	56.16	57.05	55.45	56.86
STANDARD DEVIATION	5.820	6.189	5.810	6.155	6.040	6.435	6.480	6.776	7.200	7.291	5.880	6.320
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	.8	1.2	.9	1.3	-0	0	-0	.6	-0	1.2	-0	0
PERCENT 44 MPH	5.0	3.1	5.1	3.1	4.0	3.4	4.6	5.7	3.5	3.7	5.4	7.6
OF 49 MPH	10.8	9.7	11.6	8.7	4.0	17.2	14.8	13.8	16.3	15.9	13.6	12.0
VEHICLES 54 MPH	38.6	32.6	38.0	31.0	44.0	44.8	41.3	31.6	40.7	32.9	41.8	30.4
TRAVELING 59 MPH	78.8	67.1	79.2	65.9	76.0	75.9	74.5	65.5	70.9	64.6	77.3	66.3
AT OR 64 MPH	94.6	90.3	95.4	90.0	88.0	93.1	92.3	87.4	87.2	85.4	96.4	89.1
LESS THAN 69 MPH	98.8	97.7	98.6	97.8	100.0	96.6	98.0	97.7	96.5	96.3	99.1	98.9
74 MPH	100.0	99.6	100.0	99.6	100.0	100.0	98.5	97.7	97.7	96.3	99.1	98.9
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	110	125	102	113	8	12	102	89	43	43	59	46
AVERAGE SPEED	55.99	57.68	55.88	57.91	57.37	55.50	55.69	57.52	56.98	57.67	54.75	57.37
DIRECTION												
NUMBER OF VEHICLES	131	133	114	116	17	17	94	85	43	39	51	46
AVERAGE SPEED	55.41	56.24	55.35	56.28	55.82	55.94	55.85	56.35	55.35	56.36	56.27	56.35

TABLE 19 SPEED DATA

STATION 2L-91 HIGHWAY S.R. 43 LOCATION 2.0 miles south of Chalmers

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Partly Cloudy - Dark

THIS OBSERVATION
DATE 8-18-77
TIME 8:15 PM - 12:15 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 8-5-76
TIME 2:14 - 4:44 PM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	289	404	258	404	31	0	143	47	75	14	68	33
AVE. SPEED (MPH)	57.01	57.21	56.86	57.21	58.26	0	55.14	55.02	55.08	56.57	55.21	54.36
STANDARD DEVIATION	6.185	6.840	6.220	6.840	5.831	0	6.292	5.670	6.756	4.014	5.786	6.179
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	.4	0	.4	0	-0	0	-0	0	-0	0	-0	0
34 MPH	.4	0	.4	0	-0	0	-0	0	-0	0	-0	0
39 MPH	1.0	.7	1.2	.7	-0	0	-0	2.1	-0	0	-0	3.0
44 MPH	2.8	1.7	3.1	1.7	-0	0	2.1	2.1	2.7	0	1.5	3.0
49 MPH	8.0	8.4	8.1	8.4	6.4	0	16.8	12.8	20.0	0	13.2	18.2
54 MPH	29.4	35.6	29.5	35.6	29.0	0	46.2	38.3	45.3	21.4	47.1	45.5
59 MPH	69.9	70.3	70.5	70.3	64.5	0	76.2	83.0	76.0	85.7	76.5	81.8
64 MPH	91.3	90.1	92.3	90.1	83.9	0	94.4	93.6	93.3	92.9	95.6	93.9
69 MPH	96.9	94.8	96.9	94.8	96.8	0	97.2	100.0	96.0	100.0	98.5	100.0
74 MPH	98.6	98.0	98.4	98.0	100.0	0	99.3	100.0	98.7	100.0	100.0	100.0
79 MPH	100.0	99.0	100.0	99.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	99.3	100.0	99.3	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	99.3	100.0	99.3	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	150	221	132	221	18	0	69	30	36	12	33	18
AVERAGE SPEED	56.63	56.60	56.55	56.60	57.22	0	55.13	54.33	54.22	56.25	56.12	53.06
DIRECTION												
NUMBER OF VEHICLES	139	183	126	183	13	0	74	17	39	2	35	15
AVERAGE SPEED	57.42	57.94	57.19	57.94	59.69	0	55.15	56.24	55.87	58.50	54.34	55.93

TABLE 20 SPEED DATA

STATION 2L-79 HIGHWAY S.R. 25 LOCATION 0.7 mile south of Americus

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Clear

THIS OBSERVATION
DATE 7-22-77
TIME 9:24 - 11:15 AM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 8-26-76
TIME 8:05 - 10:30 PM

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	387	307	387	291	-0	16	82	139	61	61	21	78
AVE. SPEED (MPH)	54.79	56.13	54.79	56.18	-0	55.37	52.30	55.20	52.57	55.95	51.52	54.62
STANDARD DEVIATION	5.919	5.316	5.919	5.295	-0	5.818	5.356	5.140	5.359	4.181	5.400	5.739
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	.8	0	.8	0	-0	0	1.2	0	1.6	0	-0	0
PERCENT 44 MPH	2.1	2.0	2.1	2.1	-0	0	8.5	3.6	6.6	0	14.3	6.4
OF 49 MPH	14.7	6.8	14.7	6.9	-0	6.3	25.6	12.9	24.6	4.9	28.6	19.2
VEHICLES 54 MPH	50.7	36.2	50.7	36.1	-0	37.5	70.7	38.8	70.5	34.4	71.4	42.3
TRAVELING 59 MPH	86.1	79.2	86.1	78.4	-0	93.8	90.2	79.1	88.5	82.0	95.2	76.9
AT OR 64 MPH	94.8	95.1	94.8	95.2	-0	93.8	98.8	98.6	98.4	98.4	100.0	98.7
LESS THAN 69 MPH	97.4	97.4	97.4	97.6	-0	93.8	100.0	99.3	100.0	98.4	100.0	100.0
74 MPH	98.4	99.3	98.4	99.3	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	99.5	100.0	99.5	100.0	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	225	141	225	127	-0	14	38	70	23	28	15	42
AVERAGE SPEED	54.50	55.82	54.50	55.87	-0	55.36	52.34	55.77	52.39	55.82	52.27	55.74
DIRECTION												
NUMBER OF VEHICLES	162	166	162	164	-0	2	44	69	38	33	6	36
AVERAGE SPEED	55.19	56.40	55.19	56.41	-0	55.50	52.27	54.62	52.68	56.06	49.67	53.31

TABLE 21 SPEED DATA

STATION 2L-62 HIGHWAY SR. 37 LOCATION 1.4 miles north of S.R. 237

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION
DATE 8-11-77
TIME 11:16 AM - 2:13 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	244	0	221	0	23	0	187	0	94	0	93
AVE. SPEED (MPH)	0	53.71	0	53.48	0	55.91	0	52.60	0	53.32	0	51.88
STANDARD DEVIATION	0	5.933	0	5.773	0	7.064	0	5.896	0	5.852	0	5.884
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	1.2	0	1.4	0	0	0	1.1	0	0	0	2.2
PERCENT 44 MPH	0	6.6	0	6.8	0	4.3	0	9.6	0	5.3	0	14.0
OF 49 MPH	0	23.4	0	24.0	0	17.4	0	28.9	0	25.5	0	32.3
VEHICLES 54 MPH	0	52.9	0	53.8	0	43.5	0	61.5	0	56.4	0	66.7
TRAVELING 59 MPH	0	84.4	0	85.5	0	73.9	0	88.2	0	85.1	0	91.4
AT OR 64 MPH	0	96.3	0	96.8	0	91.3	0	98.4	0	97.9	0	98.9
LESS THAN 69 MPH	0	99.6	0	100.0	0	95.7	0	99.5	0	98.9	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	122	0	111	0	11	0	99	0	50	0	49
AVERAGE SPEED	0	53.43	0	53.37	0	54.09	0	52.09	0	52.92	0	51.24
DIRECTION												
NUMBER OF VEHICLES	0	122	0	110	0	12	0	88	0	44	0	44
AVERAGE SPEED	0	53.99	0	53.60	0	57.58	0	53.18	0	53.77	0	52.59

TABLE 22 SPEED DATA

STATION 2L-41 HIGHWAY S.R. 135 LOCATION 1.3 miles south of Stones Crossing

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION
DATE 8-8-77
TIME 11:10 AM - 1:20 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	308	0	292	0	16	0	141	0	90	0	51
AVE. SPEED (MPH)	0	56.14	0	56.12	0	56.50	0	53.16	0	54.40	0	50.98
STANDARD DEVIATION	0	5.809	0	5.854	0	5.060	0	6.025	0	4.841	0	7.232
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	3.2	0	3.4	0	0	0	2.8	0	0	0	7.8
OF 49 MPH	0	11.4	0	11.6	0	6.3	0	22.7	0	15.6	0	19.6
VEHICLES 54 MPH	0	35.4	0	35.3	0	37.5	0	56.0	0	50.0	0	35.3
TRAVELING 59 MPH	0	73.7	0	73.6	0	75.0	0	89.4	0	86.7	0	66.7
AT OR 64 MPH	0	93.8	0	93.8	0	93.8	0	98.6	0	98.9	0	94.1
LESS THAN 69 MPH	0	97.7	0	97.6	0	100.0	0	100.0	0	100.0	0	98.0
74 MPH	0	99.4	0	99.3	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	152	0	139	0	13	0	74	0	43	0	31
AVERAGE SPEED	0	56.80	0	56.73	0	57.54	0	52.61	0	54.19	0	50.42
DIRECTION												
NUMBER OF VEHICLES	0	156	0	153	0	3	0	67	0	47	0	20
AVERAGE SPEED	0	55.49	0	55.56	0	52.00	0	53.78	0	54.60	0	51.65

TABLE 23 SPEED DATA

STATION 2L-47 HIGHWAY U.S. 50 LOCATION 50 yds. west of East County Line, Lawrence & Jackson Counties

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION
DATE 8-12-77
TIME 9:01 AM - 12:22 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	238	0	202	0	36	0	194	0	93	0	101
AVE. SPEED (MPH)	0	55.45	0	55.44	0	55.56	0	53.37	0	54.71	0	52.13
STANDARD DEVIATION	0	6.128	0	5.854	0	7.580	0	6.135	0	5.689	0	6.295
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.4	0	.5	0	0	0	.5	0	1.1	0	0
39 MPH	0	.4	0	.5	0	0	0	2.1	0	1.1	0	3.0
PERCENT 44 MPH	0	4.2	0	3.5	0	8.3	0	6.7	0	3.2	0	9.9
OF 49 MPH	0	15.1	0	13.4	0	25.0	0	23.2	0	17.2	0	28.7
VEHICLES 54 MPH	0	41.6	0	41.6	0	41.7	0	55.2	0	43.0	0	66.3
TRAVELING 59 MPH	0	79.8	0	81.7	0	69.4	0	83.0	0	80.6	0	85.1
AT OR 64 MPH	0	93.3	0	94.6	0	86.1	0	97.9	0	96.8	0	99.0
LESS THAN 69 MPH	0	97.9	0	98.0	0	97.2	0	100.0	0	100.0	0	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	122	0	104	0	18	0	94	0	42	0	52
AVERAGE SPEED	0	54.86	0	54.87	0	54.78	0	51.52	0	53.19	0	50.17
DIRECTION												
NUMBER OF VEHICLES	0	116	0	98	0	18	0	100	0	51	0	49
AVERAGE SPEED	0	56.08	0	56.03	0	56.33	0	55.10	0	55.96	0	54.20

TABLE 24 SPEED DATA

STATION 2L-40 HIGHWAY S.R. 37 LOCATION 2.1 miles north of Queensville

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION
DATE 8-15-77
TIME 11:24 AM - 1:40 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.	≥5000 LBS.
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	PRES-ENT	PRES-ENT
NUMBER OF VEHICLES	0	271	0	257	0	14	0	174	90	84
AVE. SPEED (MPH)	0	54.45	0	54.48	0	53.86	0	53.76	53.27	54.30
STANDARD DEVIATION	0	4.928	0	4.999	0	3.439	0	5.883	5.804	5.955
24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.6	1.1	0
PERCENT 44 MPH	0	1.1	0	1.2	0	0	0	5.2	3.3	7.1
OF 49 MPH	0	13.3	0	13.2	0	14.3	0	21.8	22.2	21.4
VEHICLES 54 MPH	0	53.1	0	52.9	0	57.1	0	58.0	63.3	52.4
TRAVELING 59 MPH	0	85.2	0	84.4	0	100.0	0	83.9	87.8	79.8
AT OR 64 MPH	0	96.7	0	96.5	0	100.0	0	96.6	96.7	96.4
LESS THAN 69 MPH	0	99.6	0	99.6	0	100.0	0	99.4	98.9	100.0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
DIRECTION										
NUMBER OF VEHICLES	0	149	0	145	0	4	0	82	40	42
AVERAGE SPEED	0	55.15	0	55.19	0	54.00	0	56.22	55.00	57.38
DIRECTION										
NUMBER OF VEHICLES	0	122	0	112	0	10	0	92	50	42
AVERAGE SPEED	0	53.59	0	53.57	0	53.80	0	51.58	51.88	51.21

TABLE 25 SPEED DATA

STATION UI-6 HIGHWAY I-65 LOCATION Just east of White River

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Cloudy

THIS OBSERVATION
DATE 8-1-77
TIME 10:29 AM - 10:58 AM - SB
11:12 AM - 11:38 AM - NB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE 5-16-77
TIME 10:20-10:56 AM - SB
11:13 - 11:41 AM - NB

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	275	306	229	268	46	38	161	130	80	59	81	71
AVE. SPEED (MPH)	58.11	58.40	58.03	58.46	58.50	57.95	56.91	57.72	56.99	58.07	56.83	57.44
STANDARD DEVIATION	5.000	4.468	5.070	4.538	4.670	3.966	5.060	5.197	4.960	4.888	5.190	5.458
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	-0	0	-0	0	-0	0	.6	.8	-0	0	1.2	1.4
PERCENT 44 MPH	.4	0	.4	0	-0	0	2.5	1.5	-0	1.7	4.9	1.4
OF 49 MPH	3.6	2.0	4.4	2.2	-0	0	6.2	4.6	3.8	3.4	8.6	5.6
VEHICLES 54 MPH	22.1	17.6	22.3	17.5	21.7	18.4	24.8	22.3	31.3	16.9	18.5	26.8
TRAVELING 59 MPH	61.5	62.7	62.9	61.9	54.3	68.4	70.8	65.4	68.8	66.1	72.8	64.8
AT OR 64 MPH	90.6	90.8	90.4	90.3	91.3	94.7	95.0	93.1	92.5	94.9	97.5	91.5
LESS THAN 69 MPH	97.8	98.0	97.8	97.8	97.8	100.0	99.4	99.2	98.8	98.3	100.0	100.0
74 MPH	99.6	100.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	143	156	114	138	29	18	76	64	38	26	38	38
AVERAGE SPEED	57.83	58.35	57.68	58.36	58.41	58.28	55.97	58.17	56.29	57.19	55.66	58.84
DIRECTION												
NUMBER OF VEHICLES	132	150	115	130	17	20	85	66	42	33	43	33
AVERAGE SPEED	58.42	58.45	58.39	58.57	58.65	57.65	57.74	57.29	57.62	58.76	57.86	55.82

TABLE 26 SPEED DATA

STATION UI-1 HIGHWAY I-94 LOCATION First bridge west of Burr Street. Interchange I-90 and I-80.

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Clear

THIS OBSERVATION
DATE 7-20-77
TIME 10:47-11:17 AM - NB
11:46 AM - 12:14 PM - EB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 98)
DATE 7-15-76
TIME 8:40-10:20 AM

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	264	217	131	130	133	87	159	292	69	69	90	223
AVE. SPEED (MPH)	57.23	58.01	56.52	58.12	57.94	57.85	56.78	58.59	56.39	57.59	57.08	58.90
STANDARD DEVIATION	4.846	4.495	5.107	4.393	4.484	4.664	4.608	4.545	5.443	4.509	3.855	4.522
24 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
29 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
34 MPH	-0	0	-0	0	-0	0	-0	0	-0	0	-0	0
39 MPH	.4	.5	2.8	0	-0	1.1	-0	0	-0	0	-0	0
PERCENT 44 MPH	1.9	.5	3.0	0	.8	1.1	1.3	0	1.5	0	1.1	0
OF 49 MPH	5.7	3.7	7.6	3.8	3.8	3.4	8.8	3.1	14.5	1.4	4.4	3.6
VEHICLES 54 MPH	25.8	18.9	32.1	18.5	19.5	19.5	25.8	16.4	31.9	24.6	21.1	13.9
TRAVELING 59 MPH	67.4	65.0	74.1	66.9	60.9	62.1	77.4	56.8	72.5	69.6	81.1	52.9
AT OR 64 MPH	95.8	95.9	96.2	94.6	95.5	97.7	96.9	92.1	95.7	94.2	97.8	91.5
LESS THAN 69 MPH	99.6	99.1	99.2	99.2	100.0	98.9	100.0	98.6	100.0	98.6	100.0	98.7
74 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION												
NUMBER OF VEHICLES	133	97	52	60	81	37	78	134	25	23	53	111
AVERAGE SPEED	57.53	58.43	57.12	58.87	57.80	57.73	57.12	59.31	56.64	58.78	57.34	59.42
DIRECTION												
NUMBER OF VEHICLES	131	120	79	70	52	50	81	158	44	46	37	112
AVERAGE SPEED	56.93	57.67	56.13	57.49	58.15	57.94	56.46	57.97	56.25	57.00	56.70	58.38

TABLE 27 SPEED DATA

STATION UI-7 HIGHWAY I-70 LOCATION 0.85 mile east of I-465

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-4-77
TIME 10:56-11:27 AM - EB
11:59 AM - 12:49 PM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE ____
TIME ____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	234	0	145	0	89	0	208	0	80	0	128
AVE. SPEED (MPH)	0	59.19	0	58.99	0	59.52	0	57.60	0	57.66	0	57.55
STANDARD DEVIATION	0	5.094	0	5.323	0	4.708	0	5.117	0	4.595	0	5.435
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	.4	0	.7	0	0	0	1.4	0	0	0	2.3
49 MPH	0	3.0	0	3.4	0	2.2	0	6.3	0	5.0	0	7.0
54 MPH	0	15.4	0	15.9	0	14.6	0	22.6	0	22.5	0	22.7
59 MPH	0	53.8	0	56.6	0	49.4	0	67.8	0	68.8	0	67.2
64 MPH	0	88.5	0	86.9	0	91.0	0	91.8	0	90.0	0	93.0
69 MPH	0	96.6	0	95.9	0	97.8	0	99.0	0	100.0	0	98.4
74 MPH	0	99.1	0	98.6	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	115	0	66	0	49	0	104	0	44	0	60
AVERAGE SPEED	0	61.05	0	60.94	0	61.20	0	58.88	0	57.73	0	59.73
DIRECTION												
NUMBER OF VEHICLES	0	119	0	79	0	40	0	104	0	36	0	68
AVERAGE SPEED	0	57.39	0	57.35	0	57.45	0	56.31	0	57.58	0	55.63

TABLE 28 SPEED DATA

STATION UI-5 HIGHWAY I-465 LOCATION 2.85 miles west of U.S. 31

NO. OF LANES 6 TYPE OF SURFACE Concrete WEATHER Hazy

THIS OBSERVATION
DATE 8-17-77
TIME 9:57-10:21 AM - EB
10:46-11:16 AM - WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	244	0	190	0	54	0	200	0	75	0	125
AVE. SPEED (MPH)	0	59.50	0	59.12	0	60.85	0	57.97	0	57.69	0	58.14
STANDARD DEVIATION	0	4.989	0	5.103	0	4.345	0	5.181	0	5.462	0	5.020
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.5	0	1.3	0	0
39 MPH	0	0	0	0	0	0	0	.5	0	1.3	0	0
PERCENT 44 MPH	0	0	0	0	0	0	0	.5	0	1.3	0	0
OF 49 MPH	0	2.0	0	2.6	0	0	0	4.5	0	4.0	0	4.8
VEHICLES 54 MPH	0	14.8	0	16.8	0	7.4	0	22.5	0	24.0	0	21.6
TRAVELING 59 MPH	0	52.5	0	55.8	0	40.7	0	59.5	0	60.0	0	59.2
AT OR 64 MPH	0	86.5	0	88.4	0	79.6	0	92.0	0	93.3	0	91.2
LESS THAN 69 MPH	0	96.3	0	95.8	0	98.1	0	98.5	0	100.0	0	97.6
74 MPH	0	99.2	0	98.9	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION												
NUMBER OF VEHICLES	0	117	0	95	0	22	0	105	0	39	0	66
AVERAGE SPEED	0	60.22	0	59.89	0	61.64	0	58.57	0	58.95	0	58.35
DIRECTION												
NUMBER OF VEHICLES	0	127	0	95	0	32	0	95	0	36	0	59
AVERAGE SPEED	0	58.84	0	58.35	0	60.31	0	57.31	0	56.33	0	57.90

TABLE 29 SPEED DATA

STATION RIALL HIGHWAY Interstate Rural LOCATION See individual station

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION
DATE July-Sept. 1977
TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE April-June 1977
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1968	0	1130	0	838	0	1542	0	442	0	1100
AVE. SPEED (MPH)	0	60.11	0	60.12	0	60.10	0	59.29	0	58.38	0	59.65
STANDARD DEVIATION	0	5.092	0	5.325	0	4.764	0	5.010	0	5.672	0	4.671
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.1	0	.1	0	0	0	.8	0	1.8	0	.5
OF 49 MPH	0	1.1	0	1.2	0	1.1	0	3.8	0	6.8	0	2.5
VEHICLES 54 MPH	0	11.5	0	11.8	0	11.1	0	14.8	0	21.9	0	11.9
TRAVELING 59 MPH	0	47.9	0	49.6	0	45.6	0	51.0	0	59.3	0	47.6
AT OR 64 MPH	0	83.0	0	82.7	0	83.5	0	86.1	0	87.6	0	85.5
LESS THAN 69 MPH	0	95.6	0	94.4	0	97.1	0	98.7	0	98.0	0	99.0
74 MPH	0	98.9	0	98.5	0	99.4	0	99.7	0	99.5	0	99.8
79 MPH	0	99.6	0	99.5	0	99.9	0	99.9	0	99.8	0	100.0
84 MPH	0	99.9	0	99.8	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 30 SPEED DATA

STATION 4LALL HIGHWAY 4-Lane Rural LOCATION See individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-Sept. 1977
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE April-June 1977
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	2153	0	1852	0	301	0	1312	0	577	0	735
AVE. SPEED (MPH)	0	57.18	0	57.03	0	58.10	0	56.18	0	55.69	0	56.57
STANDARD DEVIATION	0	5.580	0	5.589	0	5.438	0	5.909	0	6.074	0	5.752
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.0	0	.1	0	0	0	.2	0	.2	0	.1
39 MPH	0	.1	0	.2	0	0	0	1.0	0	.5	0	1.4
PERCENT 44 MPH	0	1.7	0	1.9	0	.7	0	4.0	0	4.2	0	3.9
OF 49 MPH	0	7.5	0	8.0	0	4.0	0	11.8	0	14.2	0	9.9
VEHICLES 54 MPH	0	29.1	0	30.1	0	23.3	0	35.6	0	40.2	0	32.0
TRAVELING 59 MPH	0	68.5	0	69.2	0	64.1	0	70.9	0	75.4	0	67.3
AT OR 64 MPH	0	91.6	0	92.2	0	87.7	0	94.7	0	93.9	0	95.4
LESS THAN 69 MPH	0	98.1	0	98.3	0	97.3	0	99.2	0	98.8	0	99.6
74 MPH	0	99.6	0	99.7	0	99.3	0	99.8	0	99.7	0	100.0
79 MPH	0	99.9	0	99.9	0	99.7	0	99.9	0	99.8	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 31 SPEED DATA

STATION 2LALL HIGHWAY 2-Lane, Rural LOCATION See individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-Sept. 1977
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE April-June 1977
TIME _____

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	2312	0	2153	0	159	0	1201	0	599	0	602
AVE. SPEED (MPH)	0	55.92	0	55.93	0	55.86	0	54.16	0	54.86	0	53.46
STANDARD DEVIATION	0	5.975	0	5.959	0	6.202	0	6.147	0	5.791	0	6.411
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.0	0	.0	0	0	0	.1	0	.2	0	0
39 MPH	0	.4	0	.5	0	0	0	1.4	0	.5	0	2.3
PERCENT 44 MPH	0	2.8	0	2.7	0	3.1	0	6.3	0	2.7	0	10.0
OF 49 MPH	0	11.7	0	11.5	0	14.5	0	20.6	0	16.5	0	24.6
VEHICLES 54 MPH	0	40.0	0	39.9	0	40.9	0	49.7	0	45.9	0	53.5
TRAVELING 59 MPH	0	76.1	0	76.1	0	76.7	0	81.9	0	80.8	0	83.1
AT OR 64 MPH	0	93.3	0	93.4	0	91.8	0	96.3	0	95.7	0	96.8
LESS THAN 69 MPH	0	97.8	0	97.8	0	97.5	0	99.4	0	99.0	0	99.8
74 MPH	0	99.4	0	99.4	0	100.0	0	99.7	0	99.5	0	99.8
79 MPH	0	99.8	0	99.8	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 32 SPEED DATA

STATION UIALL HIGHWAY Interstate, Urban LOCATION See individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-Sept. 1977
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 101)
DATE April-June 1977
TIME _____

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	1001	0	733	0	268	0	830	0	283	0	547
AVE. SPEED (MPH)	0	58.77	0	58.68	0	59.02	0	58.06	0	57.74	0	58.22
STANDARD DEVIATION	0	4.784	0	4.832	0	4.649	0	4.961	0	4.857	0	5.010
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	.1	0	.4	0	0
39 MPH	0	.1	0	0	0	.4	0	.2	0	.4	0	.2
PERCENT 44 MPH	0	.2	0	.1	0	.4	0	.7	0	.7	0	.7
OF 49 MPH	0	2.6	0	2.9	0	1.9	0	4.5	0	3.5	0	4.9
VEHICLES 54 MPH	0	16.7	0	17.2	0	15.3	0	20.4	0	22.3	0	19.4
TRAVELING 59 MPH	0	58.6	0	60.2	0	54.5	0	61.6	0	66.1	0	59.2
AT OR 64 MPH	0	90.3	0	89.9	0	91.4	0	92.2	0	92.9	0	91.8
LESS THAN 69 MPH	0	97.5	0	97.1	0	98.5	0	98.8	0	99.3	0	98.5
74 MPH	0	99.6	0	99.5	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 33 SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION See individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE July-Sept. 1977
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE April-June 1977
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	7434	0	5868	0	1566	0	4885	0	1901	0	2984
AVE. SPEED (MPH)	0	57.78	0	57.43	0	59.10	0	56.98	0	56.36	0	57.38
STANDARD DEVIATION	0	5.727	0	5.806	0	5.213	0	5.895	0	5.898	0	5.860
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.0	0	.0	0	0	0	.1	0	.2	0	.0
39 MPH	0	.2	0	.2	0	.1	0	.7	0	.4	0	.8
PERCENT 44 MPH	0	1.4	0	1.6	0	.5	0	3.0	0	2.6	0	3.3
OF 49 MPH	0	6.4	0	7.3	0	3.1	0	10.2	0	11.6	0	9.2
VEHICLES 54 MPH	0	26.2	0	28.6	0	17.2	0	29.9	0	35.1	0	26.6
TRAVELING 59 MPH	0	64.1	0	66.8	0	53.8	0	65.7	0	72.0	0	61.8
AT OR 64 MPH	0	89.7	0	90.5	0	86.5	0	92.0	0	92.8	0	91.4
LESS THAN 69 MPH	0	97.3	0	97.2	0	97.4	0	99.0	0	98.7	0	99.2
74 MPH	0	99.4	0	99.3	0	99.6	0	99.8	0	99.6	0	99.9
79 MPH	0	99.8	0	99.8	0	99.9	0	100.0	0	99.9	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 34

Monitoring of Speed
(Statistical Summary)

[X] Quarterly Report--Calendar Quarter Ending September 30, 1977

or

[ ] Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	4	1831	4.0	58.4	58.0	62.5	75.5	32.8	6.2
Interstate Rural	849	8	3510	11.3	59.7	59.1	64.1	81.9	42.7	11.2
Multi-lane, Divided	657	8	3465	17.2	56.8	56.5	61.8	61.3	24.2	4.8
Multi-lane, Undivided		(Included in multi-lane, divided classification)								
2-Lane, Rural	8030	8	3513	20.9	55.3	54.8	60.5	48.7	16.7	4.4
State Total	9754	28	12319	53.4	57.5	57.1	62.5	65.7	28.6	6.7

TABLE 35

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-6 LOCATION I-65; 7.5 miles north of S.R. 160

NUMBER OF SESSIONS 1 DATES 8-10-77 VEHICLES MEASURED 439

AVERAGE SPEED (MPH) 59.8 STANDARD DEVIATION 5.0

MEDIAN SPEED (MPH) 59.3 85TH PERCENTILE SPEED (MPH) 64.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 82.5 60 MPH 44.4 65 MPH 11.8

TABLE 36

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-21 LOCATION I-69; 1.6 miles south of S.R. 18

NUMBER OF SESSIONS 1 DATES 7-27-77 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 60.0 STANDARD DEVIATION 5.7

MEDIAN SPEED (MPH) 59.0 85TH PERCENTILE SPEED (MPH) 64.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 79.9 60 MPH 41.9 65 MPH 13.7

TABLE 37

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-34 LOCATION I-65; 2.5 miles south of 1st bridge south of S.R.

NUMBER OF SESSIONS 1 DATES 7-28-77 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 60.2 STANDARD DEVIATION 5.1

MEDIAN SPEED (MPH) 59.5 85TH PERCENTILE SPEED (MPH) 64.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 85.4 60 MPH 45.8 65 MPH 12.1

TABLE 38

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban

STATION NUMBER RI-12 LOCATION I-74; 0.1 mile west of mile post marker 109

NUMBER OF SESSIONS 1 DATES 8-1-77 VEHICLES MEASURED 394

AVERAGE SPEED (MPH) 59.8 STANDARD DEVIATION 4.9

MEDIAN SPEED (MPH) 59.2 85TH PERCENTILE SPEED (MPH) 64.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 82.0 60 MPH 43.2 65 MPH 10.4

TABLE 39

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-17 LOCATION I-70; 1.1 mi. W. of Wilbur Wright Road and New Lisbon Road between mile post markers 129 and 130.

NUMBER OF SESSIONS 1 DATES 8-2-77 VEHICLES MEASURED 447

AVERAGE SPEED (MPH) 59.6 STANDARD DEVIATION 4.9

MEDIAN SPEED (MPH) 59.0 85TH PERCENTILE SPEED (MPH) 64.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 82.3 60 MPH 42.1 65 MPH 11.6

NOTE: Station operated during nighttime hours.

TABLE 40

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-37 LOCATION I-74; 1.2 miles east of U.S. 41

NUMBER OF SESSIONS 1 DATES 8-16-77 VEHICLES MEASURED 431

AVERAGE SPEED (MPH) 58.9 STANDARD DEVIATION 5.0

MEDIAN SPEED (MPH) 58.4 85TH PERCENTILE SPEED (MPH) 63.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 77.3 60 MPH 36.0 65 MPH 7.4

TABLE 41

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-19 LOCATION I-69; 1.0 miles north of S.R. 13

NUMBER OF SESSIONS 1 DATES 8-2-77 VEHICLES MEASURED 434

AVERAGE SPEED (MPH) 59.5 STANDARD DEVIATION 5.1

MEDIAN SPEED (MPH) 59.1 85TH PERCENTILE SPEED (MPH) 63.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 80.0 60 MPH 41.9 65 MPH 10.6

TABLE 42

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Rural

STATION NUMBER RI-14 LOCATION I-70; 1.3 miles east of U.S. 231

NUMBER OF SESSIONS 1 DATES 8-5-77 VEHICLES MEASURED 441

AVERAGE SPEED (MPH) 60.2 STANDARD DEVIATION 4.6

MEDIAN SPEED (MPH) 59.5 85TH PERCENTILE SPEED (MPH) 64.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 85.7 60 MPH 46.5 65 MPH 11.6

TABLE 43

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-17 LOCATION U.S. 52; 150 feet east of County Road 475W

NUMBER OF SESSIONS 1 DATES 7-18-77 VEHICLES MEASURED 428

AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 56.1 85TH PERCENTILE SPEED (MPH) 61.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 58.6 60 MPH 21.5 65 MPH 4.9

TABLE 44

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-32 LOCATION U.S. 30; 2.9 miles west of Wanateh city limit sign

NUMBER OF SESSIONS 1 DATES 7-20-77 VEHICLES MEASURED 428

AVERAGE SPEED (MPH) 58.0 STANDARD DEVIATION 4.8

MEDIAN SPEED (MPH) 58.0 85TH PERCENTILE SPEED (MPH) 62.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 71.5 60 MPH 29.9 65 MPH 4.0

NOTE: Station operated during nighttime hours.

TABLE 45

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane Divided (Rural)

STATION NUMBER 4L-21 LOCATION U.S. 31; 1.1 mile south of S.R. 38

NUMBER OF SESSIONS 1 DATES 7-26-77 VEHICLES MEASURED 435

AVERAGE SPEED (MPH) 57.9 STANDARD DEVIATION 5.4

MEDIAN SPEED (MPH) 57.6 85TH PERCENTILE SPEED (MPH) 62.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 73.6 60 MPH 29.4 65 MPH 6.4

TABLE 46

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-20 LOCATION U.S. 41; 1.1 miles south of S.R. 2

NUMBER OF SESSIONS 1 DATE 7-19-77 VEHICLES MEASURED 428

AVERAGE SPEED (MPH) 57.5 STANDARD DEVIATION 5.9

MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 62.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 65.0 60 MPH 29.4 65 MPH 7.2

TABLE 47

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-22 LOCATION U.S. 31; 2.6 miles south of S.R. 26

NUMBER OF SESSIONS 1 DATES 7-25-77 VEHICLES MEASURED 425

AVERAGE SPEED (MPH) 58.0 STANDARD DEVIATION 4.8

MEDIAN SPEED (MPH) 57.3 85TH PERCENTILE SPEED (MPH) 62.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 68.9 60 MPH 27.8 65 MPH 6.1

TABLE 48

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-15 LOCATION U.S. 40; 4.4 miles east of S.R. 1

NUMBER OF SESSIONS 1 DATES 8-3-77 VEHICLES MEASURED 433

AVERAGE SPEED (MPH) 53.8 STANDARD DEVIATION 6.3

MEDIAN SPEED (MPH) 53.7 85TH PERCENTILE SPEED (MPH) 59.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 39.5 60 MPH 13.4 65 MPH 3.2

TABLE 49

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-33 LOCATION S.R. 2; 5.9 miles east of U.S. 20

NUMBER OF SESSIONS 1 DATES 7-21-77 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 57.0 STANDARD DEVIATION 5.1

MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 63.4 60 MPH 23.1 65 MPH 3.2

TABLE 50

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Multi-Lane, Divided (Rural)

STATION NUMBER 4L-13 LOCATION U.S. 31; 1.0 miles north of New Whiteland

NUMBER OF SESSIONS 1 DATES 8-9-77 VEHICLES MEASURED 451

AVERAGE SPEED (MPH) 55.8 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 55.1 85TH PERCENTILE SPEED (MPH) 61.0

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 50.6 60 MPH 19.7 65 MPH 3.1

TABLE 51

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-18 LOCATION U.S. 35; 2.5 miles east of I-69

NUMBER OF SESSIONS 1 DATES 7-27-77 VEHICLES MEASURED 427

AVERAGE SPEED (MPH) 55.6 STANDARD DEVIATION 5.7

MEDIAN SPEED (MPH) 55.2 85TH PERCENTILE SPEED (MPH) 60.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 51.5 60 MPH 17.8 65 MPH 4.4

TABLE 52

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-54 LOCATION U.S. 231; 1.1 miles south of S.R. 234

NUMBER OF SESSIONS 1 DATES 7-29-77 VEHICLES MEASURED 432

AVERAGE SPEED (MPH) 56.9 STANDARD DEVIATION 6.4

MEDIAN SPEED (MPH) 56.6 85TH PERCENTILE SPEED (MPH) 62.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 60.4 60 MPH 27.5 65 MPH 7.9

TABLE 53

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-91 LOCATION S.R. 43; 2.0 miles south of Chalmers

NUMBER OF SESSIONS 1 DATES 8-18-77 VEHICLES MEASURED 451

AVERAGE SPEED (MPH) 57.0 STANDARD DEVIATION 6.8

MEDIAN SPEED (MPH) 55.8 85TH PERCENTILE SPEED (MPH) 62.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 55.4 60 MPH 23.3 65 MPH 8.0

NOTE: Station operated during nighttime hours.

TABLE 54

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-79 LOCATION S.R. 25; 0.7 miles south of Americus

NUMBER OF SESSIONS 1 DATES 7-22-77 VEHICLES MEASURED 446

AVERAGE SPEED (MPH) 55.8 STANDARD DEVIATION 5.3

MEDIAN SPEED (MPH) 55.3 85TH PERCENTILE SPEED (MPH) 59.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 52.7 60 MPH 14.1 65 MPH 3.4

TABLE 55

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-62 LOCATION S.R. 37; 1.4 miles north of S.R. 237

NUMBER OF SESSIONS 1 DATES 8-11-77 VEHICLES MEASURED 431

AVERAGE SPEED (MPH) 53.2 STANDARD DEVIATION 5.9

MEDIAN SPEED (MPH) 52.9 85TH PERCENTILE SPEED (MPH) 58.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 36.0 60 MPH 9.7 65 MPH 2.3

TABLE 56

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-41 LOCATION S.R. 135; 1.3 miles south of Stones Crossing

NUMBER OF SESSIONS 1 DATES 8-8-77 VEHICLES MEASURED 449

AVERAGE SPEED (MPH) 55.2 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 55.0 85TH PERCENTILE SPEED (MPH) 60.3

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 49.7 60 MPH 16.5 65 MPH 3.8

TABLE 57

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane Rural

STATION NUMBER 2L-47 LOCATION U.S. 50; 50 yards west of East County Line, Lawrence and Jackson Counties

NUMBER OF SESSIONS 1 DATES 8-12-77 VEHICLES MEASURED 432

AVERAGE SPEED (MPH) 54.5 STANDARD DEVIATION 6.2

MEDIAN SPEED (MPH) 54.4 85TH PERCENTILE SPEED (MPH) 59.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 46.8 60 MPH 13.9 65 MPH 3.5

TABLE 58

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Two-Lane, Rural

STATION NUMBER 2L-40 LOCATION S.R. 37; 2.1 miles north of Queensville

NUMBER OF SESSIONS 1 DATES 8-15-77 VEHICLES MEASURED 445

AVERAGE SPEED (MPH) 54.2 STANDARD DEVIATION 5.3

MEDIAN SPEED (MPH) 53.3 85TH PERCENTILE SPEED (MPH) 59.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 37.1 60 MPH 10.3 65 MPH 2.0

TABLE 59

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban

STATION NUMBER UI-6 LOCATION I-65; just east of the White River

NUMBER OF SESSIONS 1 DATES 8-1-77 VEHICLES MEASURED 436

AVERAGE SPEED (MPH) 58.2 STANDARD DEVIATION 4.7

MEDIAN SPEED (MPH) 57.5 85TH PERCENTILE SPEED (MPH) 62.4

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 74.1 60 MPH 30.3 65 MPH 5.7

TABLE 60

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban

STATION NUMBER UI-1 LOCATION I-94; 1st bridge west of Burr St.

NUMBER OF SESSIONS 1 DATES 7-20-77 VEHICLES MEASURED 509

AVERAGE SPEED (MPH) 58.3 STANDARD DEVIATION 4.5

MEDIAN SPEED (MPH) 58.2 85TH PERCENTILE SPEED (MPH) 62.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 76.6 60 MPH 32.4 65 MPH 4.5

TABLE 61

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban

STATION NUMBER UI-7 LOCATION I-70; 0.85 miles east of I-465

NUMBER OF SESSIONS 1 DATES 8-4-77 VEHICLES MEASURED 442

AVERAGE SPEED (MPH) 58.4 STANDARD DEVIATION 5.2

MEDIAN SPEED (MPH) 57.8 85TH PERCENTILE SPEED (MPH) 62.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 75.1 60 MPH 31.7 65 MPH 6.8

TABLE 62

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY Interstate, Urban

STATION NUMBER UI-5 LOCATION I-465; 2.85 miles west of U.S. 31

NUMBER OF SESSIONS 1 DATES 8-17-77 VEHICLES MEASURED 444

AVERAGE SPEED (MPH) 58.8 STANDARD DEVIATION 5.1

MEDIAN SPEED (MPH) 58.3 85TH PERCENTILE SPEED (MPH) 62.9

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 76.1 60 MPH 36.7 65 MPH 8.1